SCHEMATIC DIAGRAMS MOD.

Chorale

ELECTRONIC ORGAN



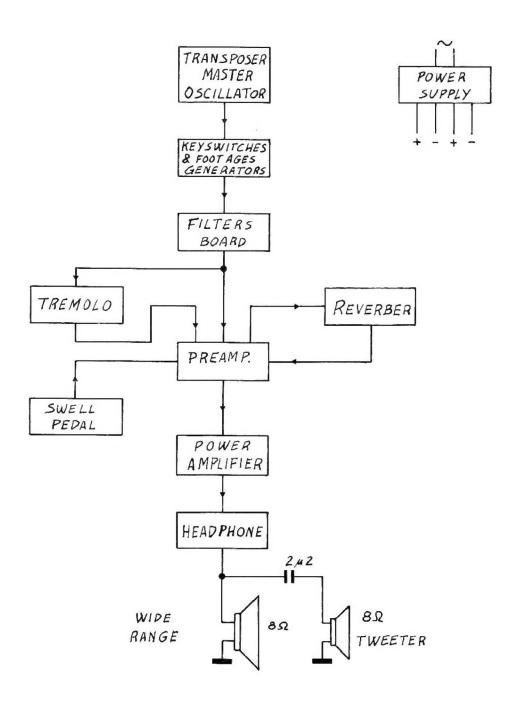
A PRODUCT OF



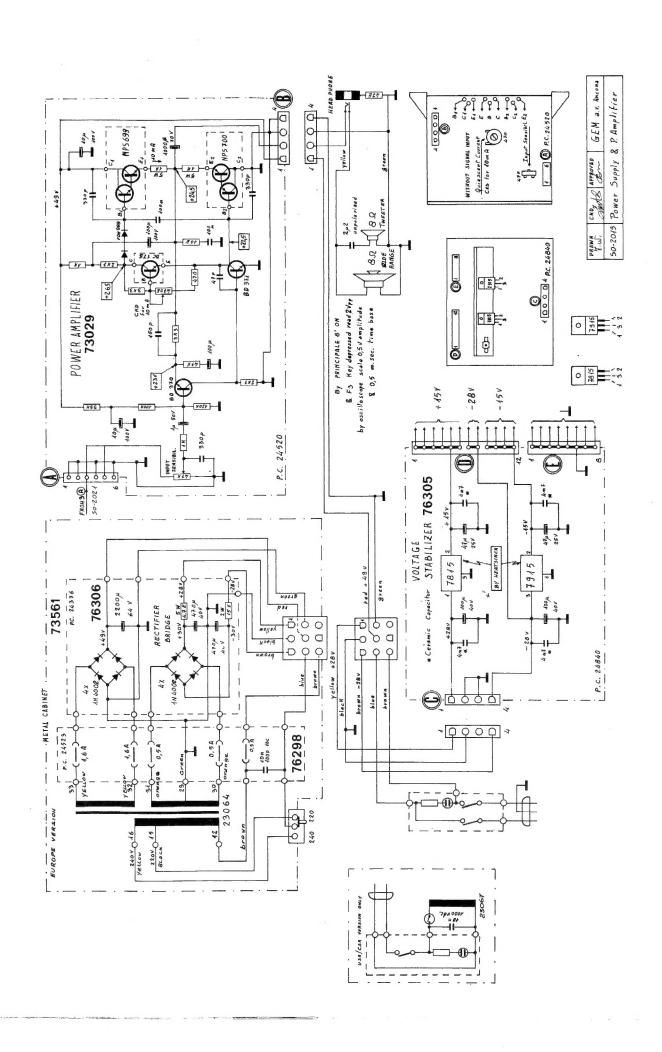
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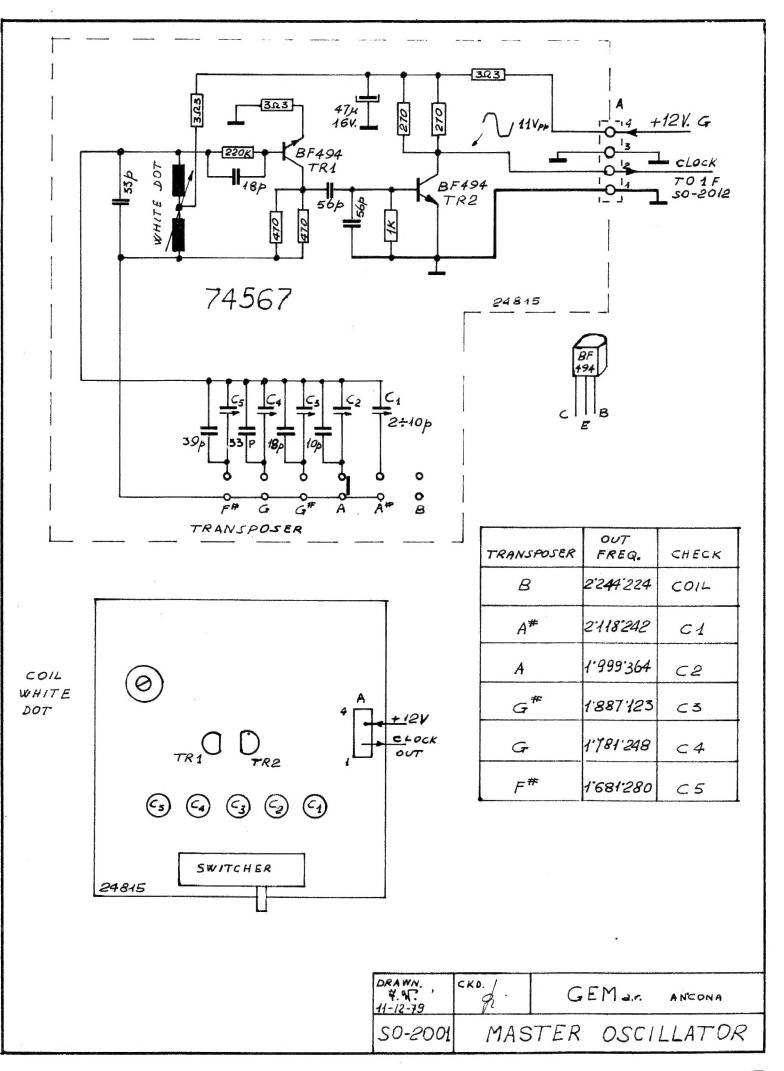
PAGE	D.W.G.	DESCRIPTION
1	SO 2018	BLOCK DIAGRAM
2	SO 2019	POWER SUPPLY & AMPLIFIER
3	SO 2001	MASTER OSCILLATOR
4	SO 2020	KEYSWITCHES & FOOTAGES GENERATOR
5	SO 2021	FILTER, PREAMPLIFIER & REVERB.
6	SO 2022	FILTER MODULE
7/10	-	PART LIST

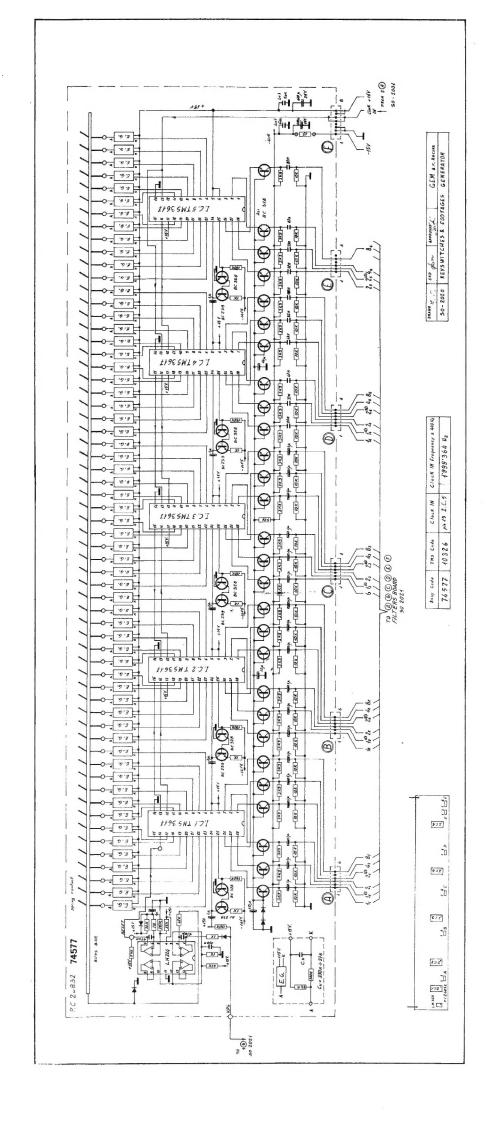
CHORALE BLOCK DIAGRAM

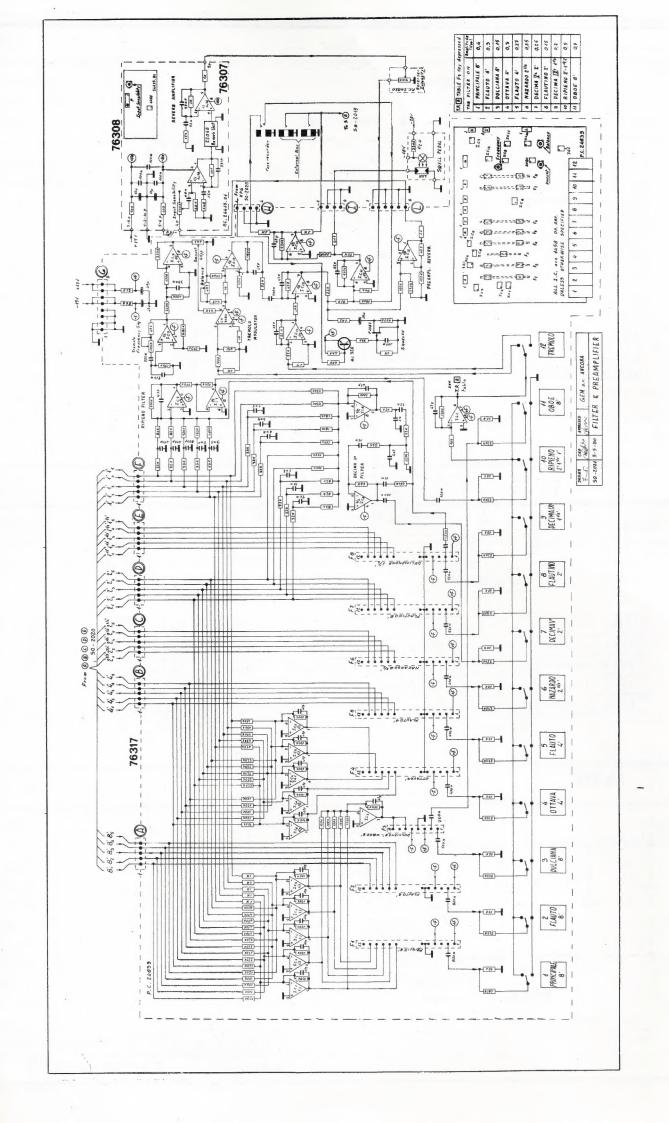


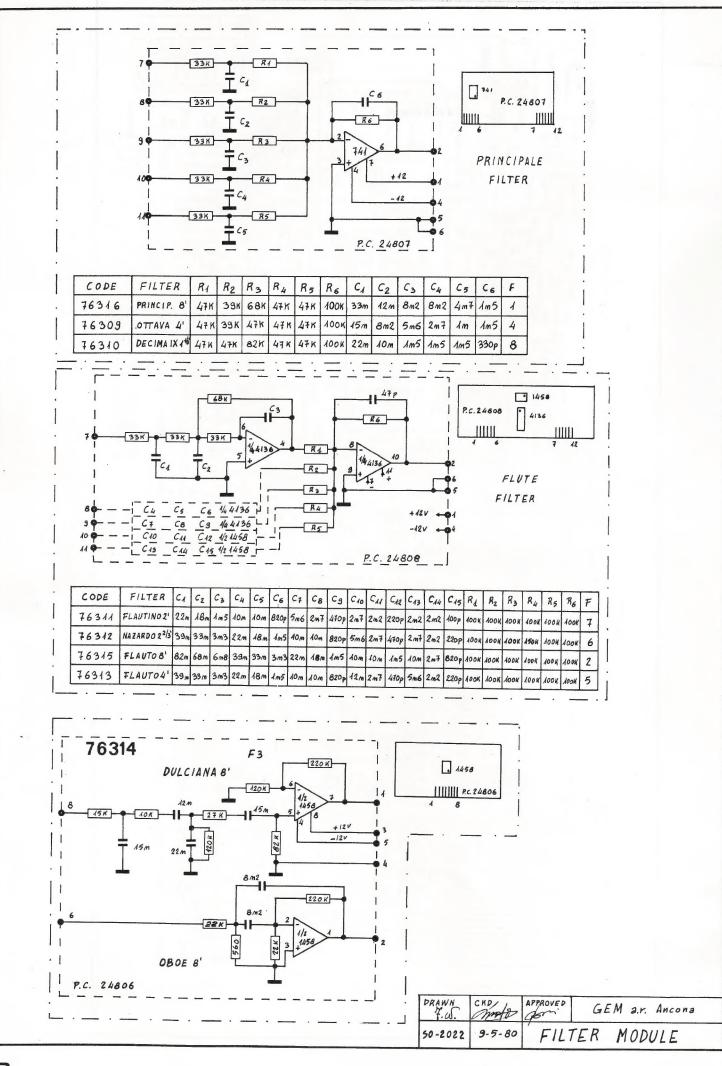
DRAWN F.W.	CKD,	APPROVED	GEM a.r. Ancona
50-2018	14-5-80	CHORALE	BLOCK DIAGRAM











	17000 2700	
POWER SUPPLY	SCHEMATIC REF. S0-2019	:
PART	DESCRIPTION	PART NUMBER
PWR SUPPLY ASSY PWR TRANSFORMER " " FUSE " VOLTAGE SELECTOR FUSE HOLDER CONNECTOR PINS DIODE CAPACITOR CAPACITOR FUSE ASSY RECTIFIER ASSY	EUROPE EUROPE U.L., C.S.A. EUROPE 0,5 A. EUROPE 1,6 A. EUROPE 220 V 240 V. EUROPE 9 PINS PANEL PINS RETTIFIER DIODE (IN 4002) EL., 2200uf, 64V. EL., 470uf, 40V. P.C. 24523 (EUROPE) P.C. 24376	73561 23064 23067 11017 11012 11241 11105 14039 14031 8156 3811 3651 76298 76306
VOLTAGE STABILIZER	SCHEMATIC REF. SO-2019	
PART	DESCRIPTION	PART NUMBER
VOLTAGE STAB.ASSY I.C. I.C. CAPACITOR CAPACITOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CAPACITOR	P.C. BOARD 24840 POSITIVE VOLTAGE REG. (7815) NEGATIVE VOLTAGE REG. (7915) EL., 47 uF, 25 V. EL., 100 uF, 40 V. 4 PINS 8 PINS 12 PINS CERAMIC, 4n7	7 6305 10060 10049 3404 3498 14043 14651 14648 1543
POWER AMPLIFIER	SCHEMATIC REF. S0-2019	
PART	DESCRIPTION	PART NUMBER
PWR AMPLIFIER ASSY TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIODE CAPACITOR TRIMMER RES. TRIMMER RES. CONNECTOR	P.C. BOARD 24520 SI., PNP, SIGNAL (BD 370) SI., NPN, SIGNAL (BD 371) SI., NPN, SIGNAL (BC 173) SI., NPN, PWR, TO220 (NPS 699) SI., PNP, PWR, TO220 (NPS 700) SI., SIGNAL (FDH 999) EL., 1000uf, 70V. MIN., 47K MIN., 470E 6 PINS	73029 9274 9267 9182 9562 9710 8103 3725 7230 7108 14655 14043

MASTER OSCILLAT	OR SCHEMATIC REF. SO-2001	
PART	DESCRIPTION	PART NUMBER
TRANSISTOR COIL CONNECTOR TRIMMER CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR SWITCHER	SI., NPN, SIGNAL H.F., (BF 494) OSCILLATOR COIL, WHITE DOT 4 PINS TRIMMER CAPACITOR 2-10pF CERAMIC, 56pF CERAMIC, 10pF CERAMIC, 39pF CERAMIC, 18pF CERAMIC, 33pF TANTALIUM, 47uF, 16V. 6 POSITION	9305 23518 14650 1600 1311 1235 1294 1261 1291 3937

KEYSWITCHES & FOOT	AGES GENERATOR SCHEMATIC REF.	S0-2020	
PART	DESCRIPTION		PART NUMBER
KEYSWITCHES ASSY	P.C. BOARD 24.832		74577
I.C.		3617)	10326
I.C.	QUAD OPERATIONAL AMPLIFIER (LI	M 324)	10056
TRANSISTOR		C 328)	9153
TRANSISTOR	SI., NPN, SIGNAL, (B	C 239)	9225
DIODE	SI., SIGNAL (FI	DH 999)	8103
CONNECTOR	6 PINS	•	14625
CONNECTOR	8 PINS		14620
SOCKET	28 PINS		14607
SOCKET	14 PINS		14614
SPRING	FOR KEYBOARD CONTACT		16082
BUS BAR	cm. 89		16028
CAPACITOR	EL., 220uF, 25V.		3566
CAPACITOR	EL., 470uF, 25V.		3648
CAPACITOR	EL., 1uF, VERT.		3005
CAPACITOR	TANTALIUM, 1uF		3926
CAPACITOR	TANTALIUM, 10uF		3941

PART	DESCRIPTION	PART NUMBER
FILTER ASSY	P.C. BOARD 24839	76317
	BOTTOM FRAME, BLACK	15230
	TOP FRAME, BLACK	15340
*	SPRING CONTACT	16057
	UPPER CONTACT	16059
	LOWER CONTACT	16058
	RUBBER STOP	19111
TAB WHITE	PRINCIPALE 8'	28659
TAB "	FLAUTO 8'	28660
TAB "	DULCIANA 8'	28661
TAB "	OTTAVA 4'	28662
TAB "	FLAUTO 4'	28663
TAB "	NAZARDO 2'2/3	28664
TAB "	DECIMAQUINTA 2'	28665
TAB "	FLAUTINO 2'	28666
TAB "	DECIMANONA 1'1/3	28667
TAB "	RIPIENO 2' 1'1/3 1'	28668
TAB "	OBOE 8'	28669
TAB "	TREMOLO	28670
CONNECTOR	5 PINS	14641
CONNECTOR	8 PINS	14651
CONNECTOR	4 PINS	14650
CONNECTOR	6 PINS	14655
1.C.	DUAL OPERATIONAL AMPLIFIER (1458	
I.C.	SINGLE OTA (3080	, – –
I,C.	SINGLE OPERATIONAL AMPLIFIER (741)	
TRANSISTOR	SI., PNP, SIGNAL (BC 3	
TRANSISTOR	SI., FET (P 10	
TRIMMER RES.	MIN., 4,7K	7161
TRIMMER RES.	MIN., 100K	7244
CAPACITOR	EL., VERT., 47uF, 16V.	3403
CAPACITOR	TANTALIUM, 15uF	3924
FILTER	PRINCIPALE 8' (P.C. 24.807)	76316
FILTER	FLAUTO 8' (P.C. 24.808)	76315
FILTER	DULCIANA 8'-0BOE 8' (P.C. 24.806)	76314
FILTER	FLAUTO 4' (P.C. 24.808)	76313
FILTER	NAZARDO 2' 2/3(P.C. 24.808)	76312
FILTER	FLAUTINO 2' (P.C. 24.808)	76311
FILTER	DECIMANONA 1' 1/3 (P.C. 24.807)	76310
FILTER	OTTAVA 4' (P.C. 24.807	7 6 3 0 9

REVERBERATION	SCHEMATIC REF. S0-2021	All and All and the
PART	DESCRIPTION	PART NUMBER
REVERBERATION ASSY	COMPLETE	76308
AMPLIFIER ASSY	P.C. BOARD 24415	76307
	REVERBERATION UNIT	22048
I.C.	DUAL OPERATIONAL AMPLIFIER (1458)	10051
TRIMMER RES. CONNECTOR	HOR.MOUNT, MIN, 100K 10 PINS	7244 14623
CAPACITOR	TANTALIUM, 10uF	3927
SWELL PEDAL	SCHEMATIC REF. S0-2021	
PART	DESCRIPTION	PART NUMBER
SWELL PEDAL ASSY	COMPLETE	79009
LAMP	LAMP 28V.	11204
CONNECTOR	8 PINS	12735
		0.0
PHOTO-RESISTOR	LDR	8813
PHOTO-RESISTOR	MISCELLANEOUS	8813
PHOTO-RESISTOR PART		PART NUMBER
PART	MISCELLANEOUS	PART NUMBER
PART SLIDIN KEY	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE	
PART SLIDIN KEY PLATE	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE"	PART NUMBER 15387 19136 18243
PART SLIDIN KEY PLATE PLATE	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM "	PART NUMBER 15387 19136 18243 18241
PART SLIDIN KEY PLATE PLATE LOCKER	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM " LOCKER	15387 19136 18243 18241 19134
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE" PLATE " GEM " LOCKER WIDE-RANGE, 8 ohm	PART NUMBER 15387 19136 18243 18241 19134 22051
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER	DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE" PLATE " GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm	15387 19136 18243 18241 19134 22051 22060
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE" PLATE " GEM " LOCKER WIDE-RANGE, 8 ohm	PART NUMBER 15387 19136 18243 18241 19134 22051 22060 14192
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK	15387 19136 18243 18241 19134 22051 22060 14192 17432
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE PLATE	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE "CHORALE" PLATE "GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI"	PART NUMBER 15387 19136 18243 18241 19134 22051 22060 14192
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE PLATE KNOB	DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE "CHORALE" PLATE "GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI" FOR SLIDE POTENZIOMETER	15387 19136 18243 18241 19134 22051 22060 14192 17432 18216
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE PLATE KNOB KNOB	DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE "CHORALE" PLATE "GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI" FOR SLIDE POTENZIOMETER FOR SWITCHER	15387 19136 18243 18241 19134 22051 22060 14192 17432 18216 18218 15260 15349
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE PLATE KNOB KNOB POT.	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE "CHORALE" PLATE "GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI" FOR SLIDE POTENZIOMETER FOR SWITCHER SLIDE, POTENZIOMETER, 50K	15387 19136 18243 18241 19134 22051 22060 14192 17432 18216 18218 15260 15349 7926
PART SLIDIN	DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE "CHORALE" PLATE "GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI" FOR SLIDE POTENZIOMETER FOR SWITCHER	15387 19136 18243 18241 19134 22051 22060 14192 17432 18216 18218 15260 15349